AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. – 18.   Cancelled.

19.   (previously presented)   A recording device for image recording having a recording unit attachable to the head of a user, having a sensor device for detecting eye movements of the user, and having an analysis unit, connected downstream from the sensor unit, which generates control signals that are applied to an actuator acting on the recording unit, through which the image section detected by the recording unit is movable,

wherein the sensor device detects pitching, yawing, and rolling movements of at least one eye of the user and the analysis unit analyzes the detected eye movements and generates control signals therefrom, which cause the actuator to move the image section detected by the recording unit so it follows the detected and analyzed eye movements.

20.   (previously presented)   The recording device according to claim 19,

wherein the analysis unit analyzes voluntary and involuntary eye movements performed by the user.

21.　(previously presented)　The recording device according to claim 19,

wherein the analysis unit has an intrasaccadic suppression device, which suppresses reproduction of the images recorded by the recording unit if the velocity of the eye movement of the user exceeds a predefined limiting value.

22.　(previously presented)　The recording device according to claim 19,

whose sensor device has an infrared mirror positioned in the viewing field of the user and an infrared camera directed toward the mirror area of the infrared mirror.

23.　(previously presented)　The recording device according to claim 19,

whose sensor device comprises a contact lens provided with induction coils.

24.　(previously presented)　The recording device according to claim 19,

wherein a projection device is provided for projecting the images recorded by the recording unit in the viewing field of the user.

25.　(previously presented)　The recording device according to claim 19,

whose recording unit has at least one optical camera.

26.　(previously presented)　The recording device according to claim 19,

wherein the recording unit has a mount rotatable around three spatial axes.

27.   (previously presented)   The recording device according to claim 19,

wherein a sensor device is assigned to each eye of the user.

28.   (previously presented)   The recording device according to claim 27,

wherein the analysis unit analyzes the vergence position of the eyes of the user

in order to generate an autofocus signal for the recording unit.

29.   (previously presented)   The recording device according to claim 27,

wherein a camera, which follows the movements of the respective eye, is

assigned to each eye of the user.

30.   (previously presented)   A method for controlling a recording device,

in which the eye movements of a user wearing the recording device are detected

by a sensor device and analyzed by an analysis unit and in which an image section

detected by a recording unit is moved with the aid of an actuator acting on the recording

unit,

wherein pitching, yawing, and rolling movements of an eye of the user are

detected by the sensor device, the detected movements are analyzed by the analysis

unit and the image section of the recording unit is moved so it follows the detected and

analyzed movements of the eye.

31.   (previously presented)   The method according to claim 30,

wherein voluntary and involuntary movements of an eye of the user are detected and analyzed.

32.   (previously presented)   The method according to claim 30,

wherein the display of images recorded with the aid of the recording unit is suppressed in the event of movements whose velocity exceeds a predefined limiting value.

33.   (previously presented)   The method according to claim 30,

wherein the vergence position of both eyes of the user is analyzed and used for focusing the recording unit.

34.   (previously presented)   A method for image recording, which comprises adjusting for movement associated with a user, using a recording device comprising:

a recording unit attachable to the head of a user, having a sensor device for detecting eye movements of the user, and having an analysis unit, connected downstream from the sensor unit, which generates control signals that are applied to an actuator acting on the recording unit, through which the image section detected by the recording unit is movable,

wherein the sensor device detects pitching, yawing, and rolling movements of at least one eye of the user and the analysis unit analyzes the detected eye movements and generates control signals therefrom, which cause the actuator to move the image

section detected by the recording unit so it follows the detected and analyzed eye movements,

wherein said recording device is used for recording films.

35. (previously presented) A method for image recording, which comprises adjusting for movement associated with a user, using a recording device comprising:

a recording unit attachable to the head of a user, having a sensor device for detecting eye movements of the user, and having an analysis unit, connected downstream from the sensor unit, which generates control signals that are applied to an actuator acting on the recording unit, through which the image section detected by the recording unit is movable,

wherein the sensor device detects pitching, yawing, and rolling movements of at least one eye of the user and the analysis unit analyzes the detected eye movements and generates control signals therefrom, which cause the actuator to move the image section detected by the recording unit so it follows the detected and analyzed eye movements,

wherein said recording device is used as a night-vision device.

36. (previously presented) A method for image recording, which comprises adjusting for movement associated with a user, using a recording device comprising:

a recording unit attachable to the head of a user, having a sensor device for detecting eye movements of the user, and having an analysis unit, connected downstream from the sensor unit, which generates control signals that are applied to an

actuator acting on the recording unit, through which the image section detected by the recording unit is movable,

wherein the sensor device detects pitching, yawing, and rolling movements of at least one eye of the user and the analysis unit analyzes the detected eye movements and generates control signals therefrom, which cause the actuator to move the image section detected by the recording unit so it follows the detected and analyzed eye movements,

wherein said recording device is used for monitoring the viewing direction of test subjects.